

The eukaryotic replisome: a guide to protein structure and function

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Abstrak

High-fidelity chromosomal DNA replication underpins all life on the planet. In humans, there are clear links between chromosome replication defects and genome instability, genetic disease and cancer, making a detailed understanding of the molecular mechanisms of genome duplication vital for future advances in diagnosis and treatment. Building on recent exciting advances in protein structure determination, the book will take the reader on a guided journey through the intricate molecular machinery of eukaryotic chromosome replication and provide an invaluable source of information, ideas and inspiration for all those with an interest in chromosome replication, whether from a basic science, translational biology and medical research perspective.